



# TX2400-BLG-30 Product Data Sheet

**2.45GHz Fiberglass Antenna**  
**N-J Interface**



## I. Product Introduction

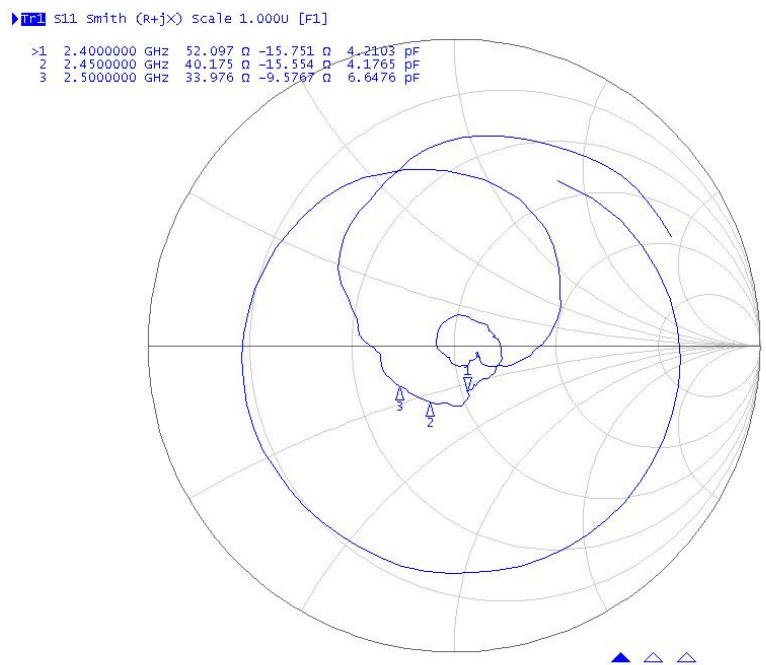
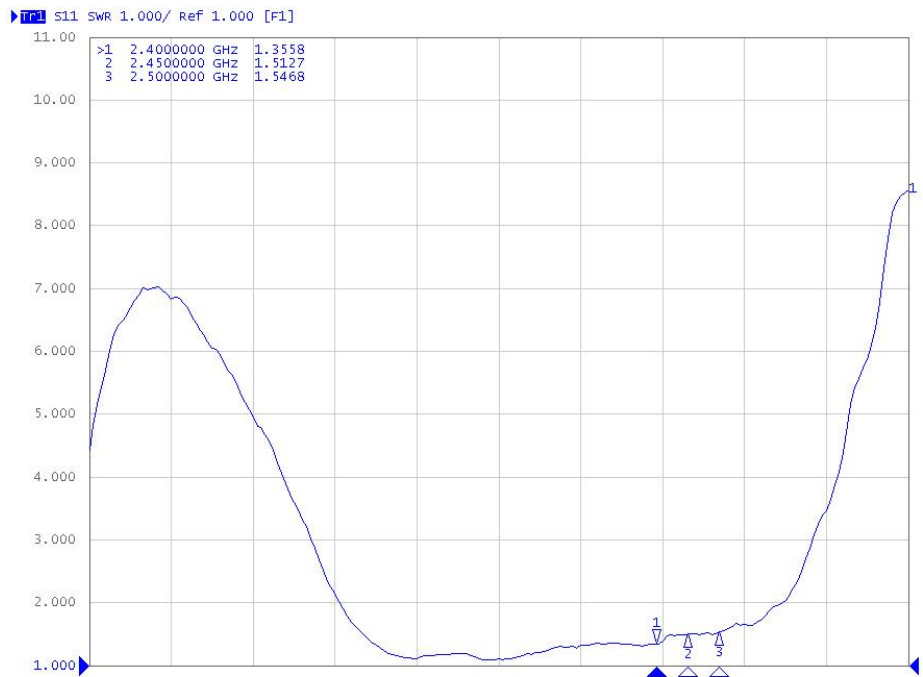
TX2400-BLG-30 is a 2.45GHz fiberglass antenna. Height of the antenna is 300mm, with a N-J interface (N male) and fiberglass shell. With several groups of antenna oscillators, it is suitable for long distance communication with its high gain, and it is widely used in the wild and other harsh environment because it's weatherproof. Due to its high stability and reliability, the fiberglass antenna is applicable to wireless terminal equipment, base station, gateway, wireless module, AP, router, wireless data transmission station and other equipment with high requirements.

## II. Specification and Parameters

| Physical Parameters |                 |
|---------------------|-----------------|
| Frequency           | 2.45GHz         |
| Bandwidth           | 2.4-2.5GHz      |
| Gain                | 8dBi            |
| SWR                 | ≤1.5            |
| Polarization        | Vertical        |
| Radiation Direction | Omnidirectional |
| Input Impedance     | 50 Ω            |
| Power Capacity      | 100W            |
| Other Parameters    |                 |
| Height              | 300mm           |
| Total Weight        | 147g            |
| Diameter            | Φ 20mm          |
| Coat Material       | Fiberglass      |
| Interface           | N-J             |
| Working Temperature | -40℃~+85℃       |
| Storage Temperature | -40℃~+85℃       |



### III. Testing



## IV. FAQ

- Antenna frequency shall be matched with that of the wireless devices, or the communication will be affected;
- Diffraction performance will be better with lower communication frequency and longer wave;
- Communication distance will be shorter if there is any straight-line barrier;
- Please be noted of the antenna radiation direction. Incorrect direction by installation will result in short communication distance;
- As radio wave may be absorbed by the ground, result will be affected if tested close to ground. It is suggested to test at a higher place;
- As radio wave can be highly absorbed by the ocean water, result will be affected if tested close to the sea;
- Signal will be seriously weakened if the antenna is put close to metal or inside metal shell;
- Lower impedance matching of antenna and communication devices will result in bad communication.

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